

Amendments to and Listing of the Claims:

Please cancel claims 23-27, 32-34, and 37, without prejudice or disclaimer, and amend claims 19 and 28, without prejudice or disclaimer, as set forth in the following listing of claims, which will replace all prior versions, and listings, of claims in the application:

1 – 18. (Cancelled)

19. (Currently Amended) A non-human transgenic mammal selected from the group consisting of mice, rats, goats, pigs, sheep and cows, whose genome comprises:

(a) an α -lactalbumin (α -LA) promoter; and

(b) a nucleotide sequence operably linked to the α -LA promoter, the nucleotide sequence encoding a recombinant polypeptide comprising a ~~bovine α -S1-casein signal peptide of SEQ ID NO:14, and a B-domain deleted human clotting factor VIII polypeptide having the amino acid sequence from amino acid residue 18 to amino acid residue 1448 of SEQ ID NO:15,~~

wherein the non-human transgenic mammal secretes the B-domain deleted human FVIII polypeptide in milk when the mammal is lactating.

20. - 27. (Cancelled)

28. (Currently Amended) A method for making the non-human transgenic mammal of claim 19, the method comprising:

(a) introducing into an embryo of a non-human mammal a transgene comprising

(i) an α -lactalbumin (α -LA) promoter; and

(ii) a nucleotide sequence operably linked to the α -LA promoter, the nucleotide sequence encoding a recombinant polypeptide comprising a ~~bovine α -S1-casein signal peptide of SEQ ID NO:14, and a B-domain deleted human clotting factor VIII polypeptide having the amino acid sequence from amino acid residue 18 to amino acid residue 1448 of SEQ ID NO:15,~~

(b) implanting the embryo into a female of the same species as the embryo; and

(c) permitting the embryo to develop into the non-human transgenic mammal of claim 19.

29-37. (Cancelled)